

# ABSTRACT

A solder material optimum in the melting temperature as a solder material, superior in mechanical properties and in wettability and capable of assuring excellent soldering performance. For a Sn-Zn-Bi based solder material, germanium and cooper is added, while germanium and further copper are added for a Sn-Bi-Ag based solder material and germanium and silver are added for a Sn-Zn-In based solder material.

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